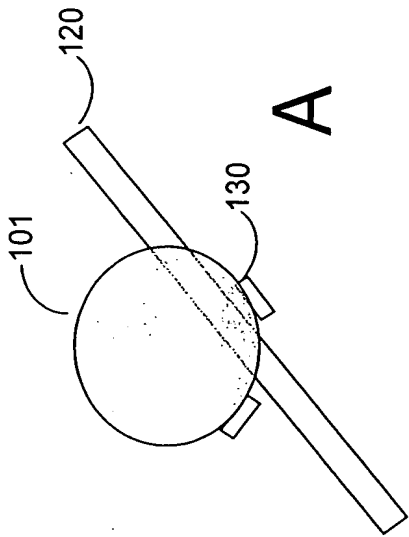
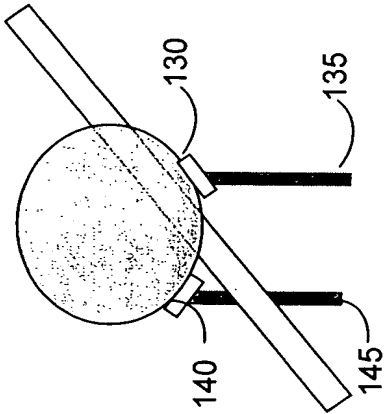


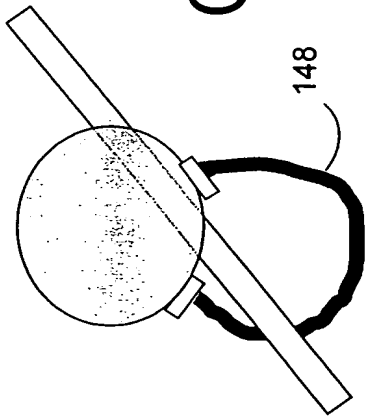
1/14



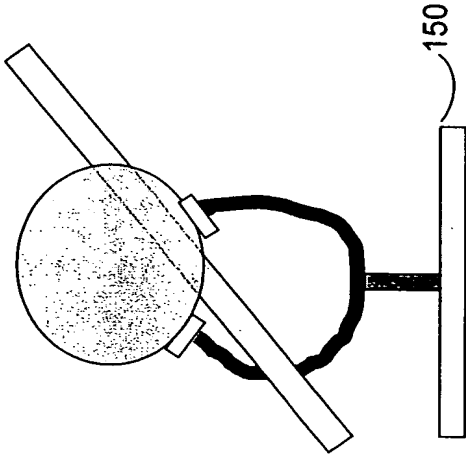
A



B



C



D

FIG. 1

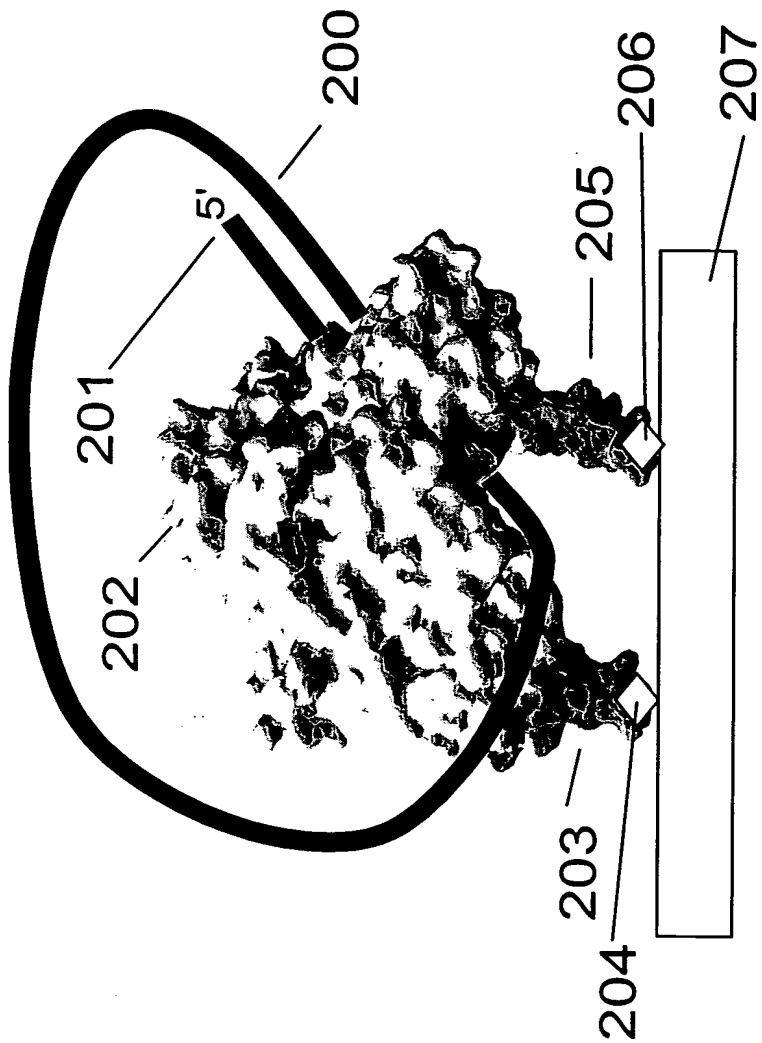
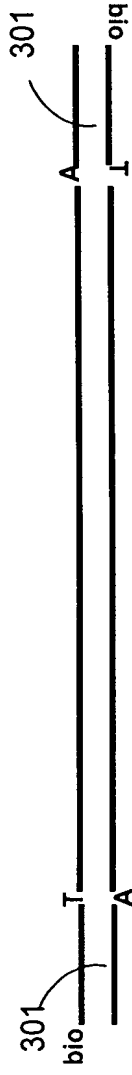
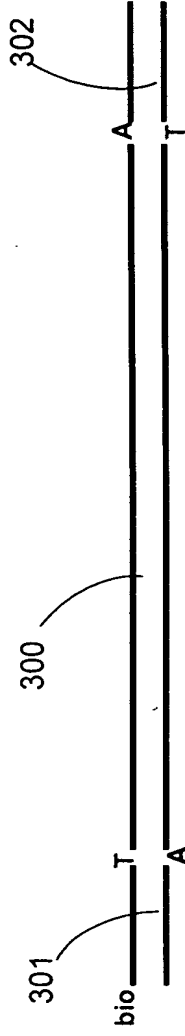


FIG. 2

DNA Sample Prep

adaptor ligation



PURIFY 20KB FRAGMENTS

FIG. 3

DNA Sample Prep

strand isolation

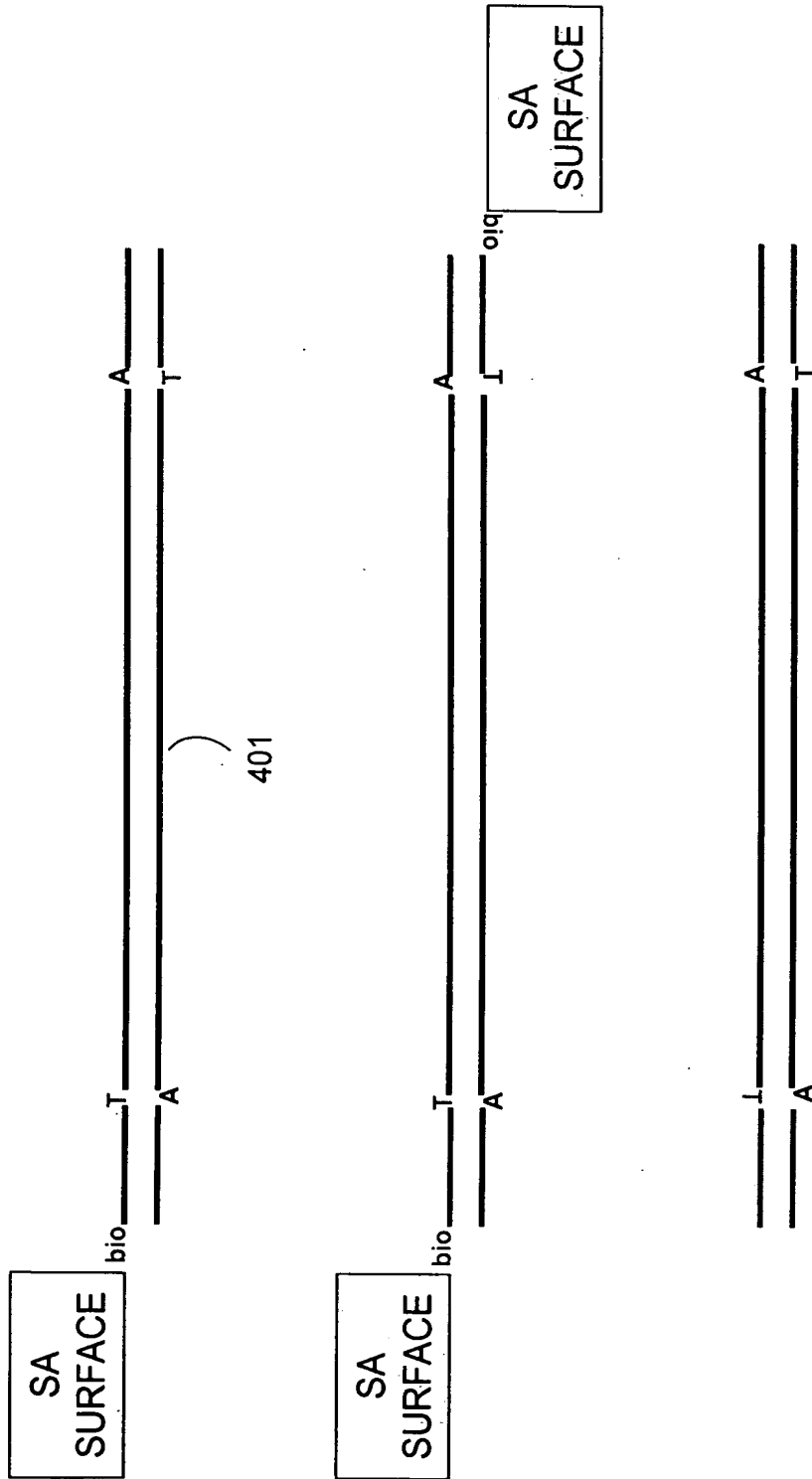


FIG. 4

DNA Sample Prep

circularization

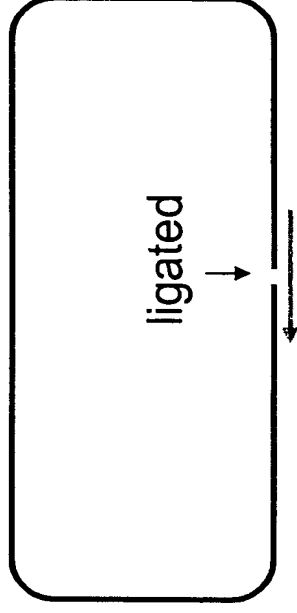


FIG. 5

Single Molecule Configuration

DNA-protein complexes

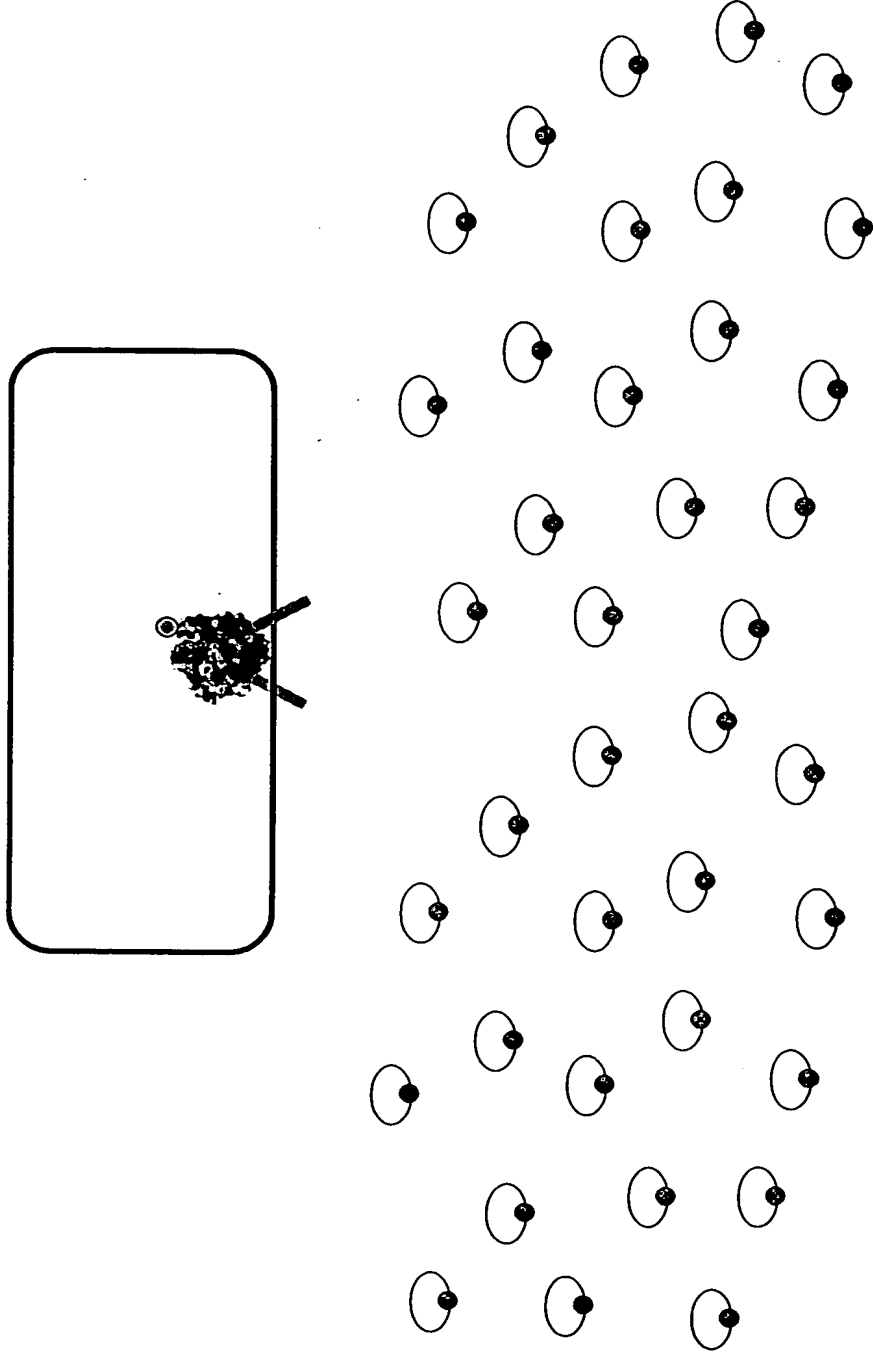


FIG. 6

Single-Molecule Isolation

bind to coverslip

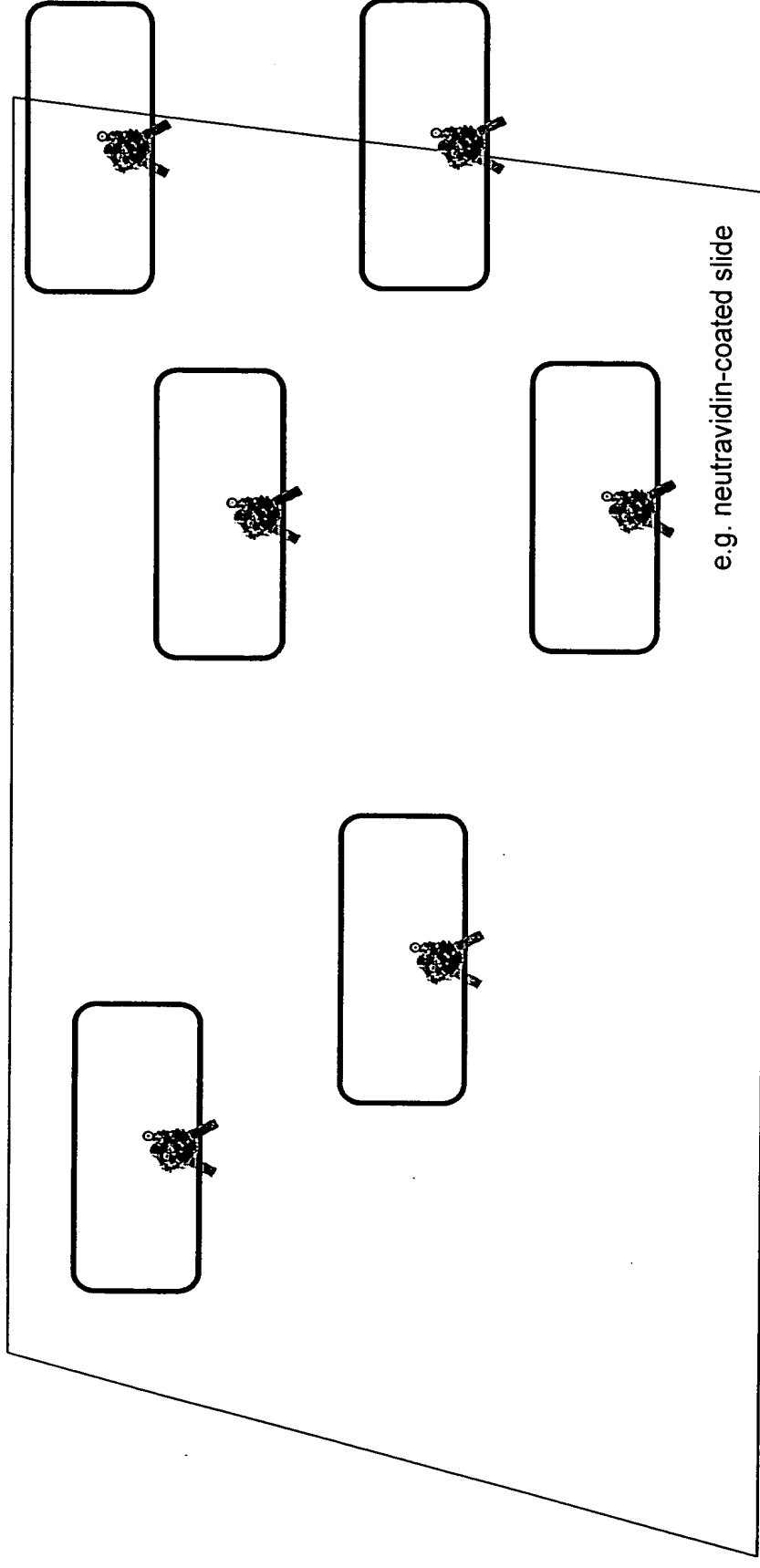
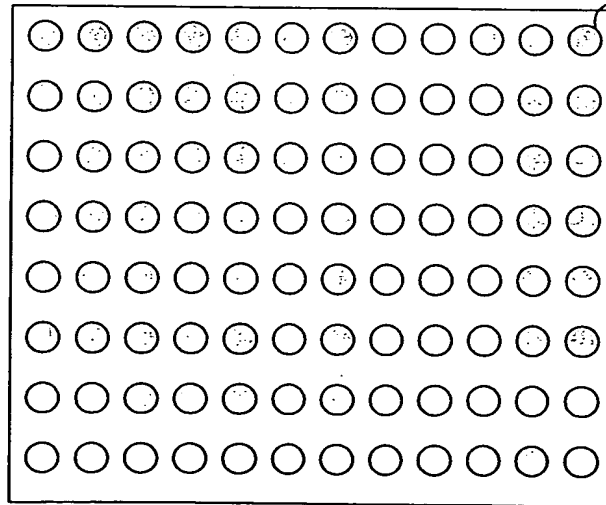


FIG. 7

Sequence hundreds of individual single molecules in each well of a microtiter plate



TATGAAAATTTCCGGTTTAAGGGTTTCGGTTCTTCGTCATACTTAATGTTTTTATTTAAATACCCCTCTGAAAAGAAGGAAA

CGACAGGTGCTGAAAAGCGAGGCTTTTGGCCCTCTGTGGTTTCCTTTCTCTGTTTTTGTCCGTGGAATGAACAATGGAAGTCAACAAAA

GCAGCTGGTGACATTTTCGGTGCAGTATCCGTACCATTTCAGAACTGCGAGGAACAGGGGAATGCCCGTTCTCGAGGCGGTGGCAAG

GTAATGAGGTGCTTTATGACTCTGCCCGCGTCATAAATGGTATGCCGAAGGGATGCTGAAATTGAGAACGAAAAAGCTGCCCGGGAG

FIG. 8

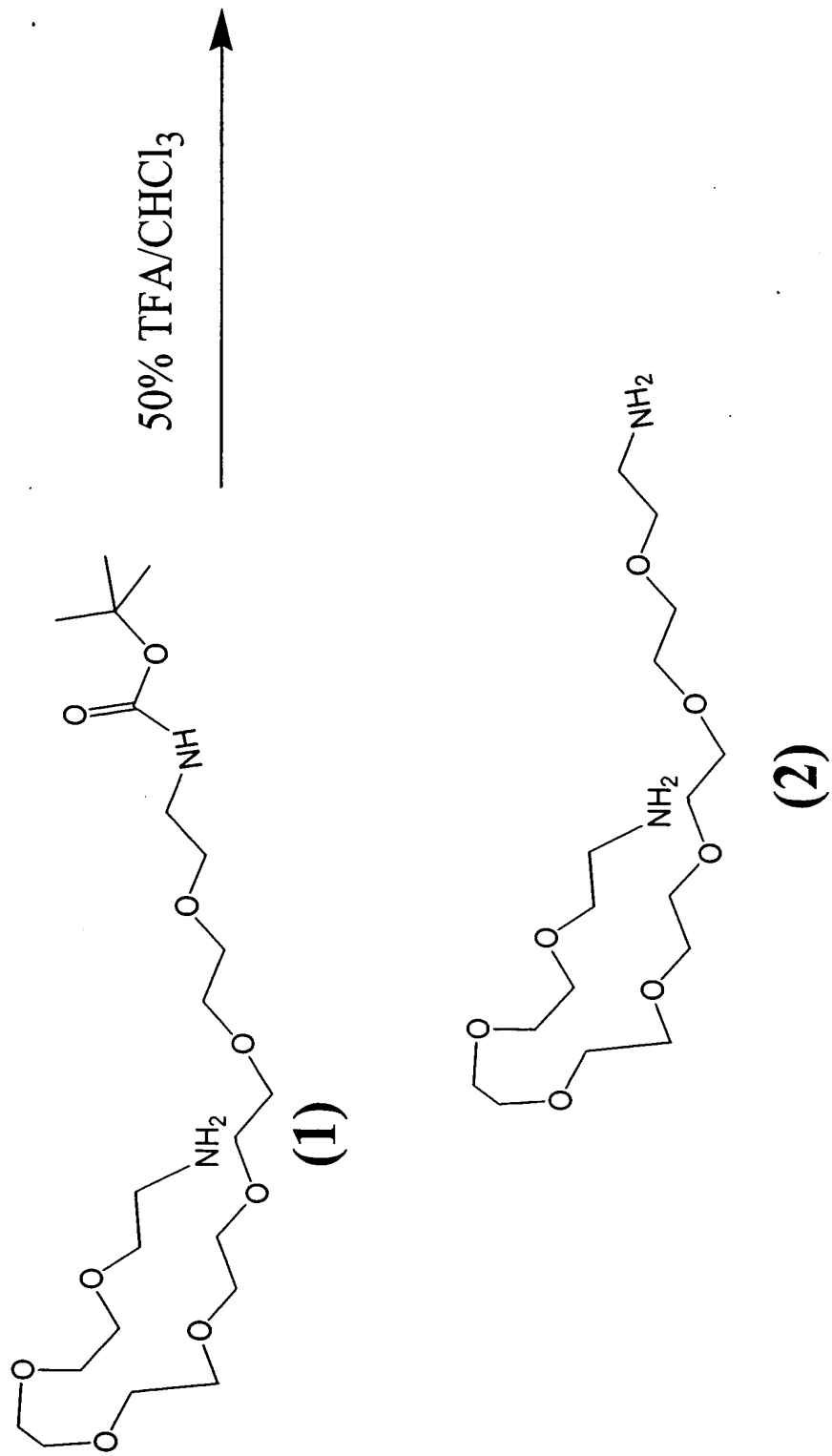


FIG. 9A

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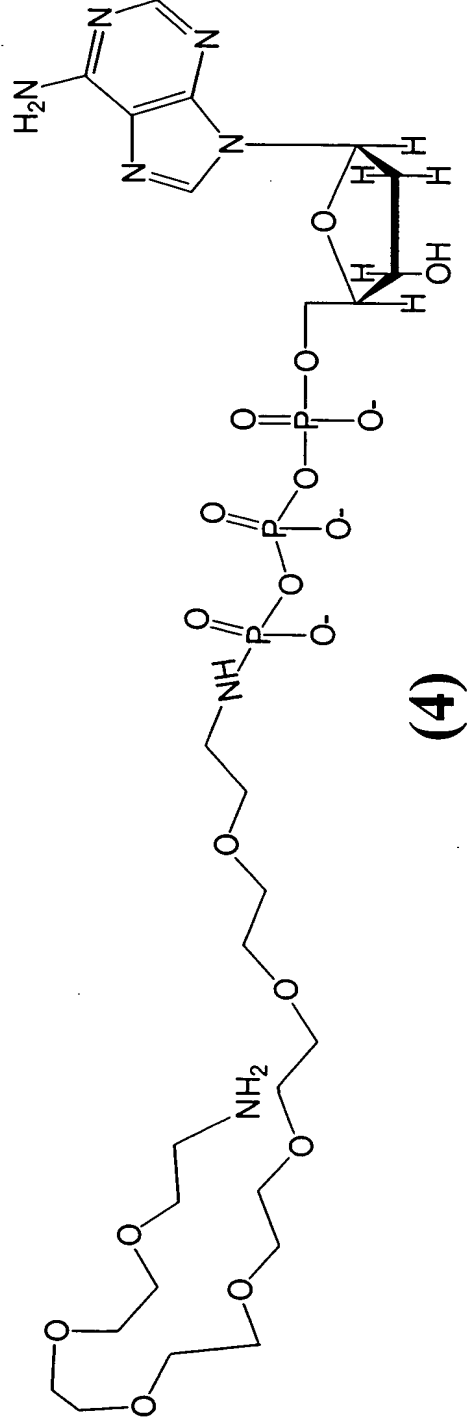
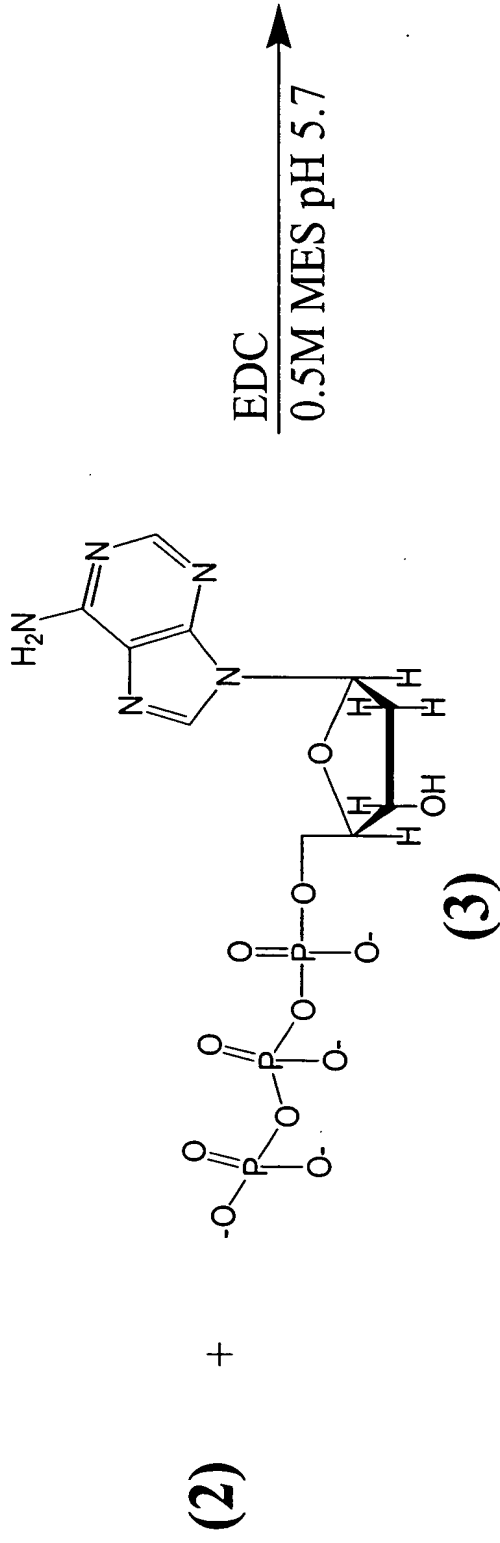
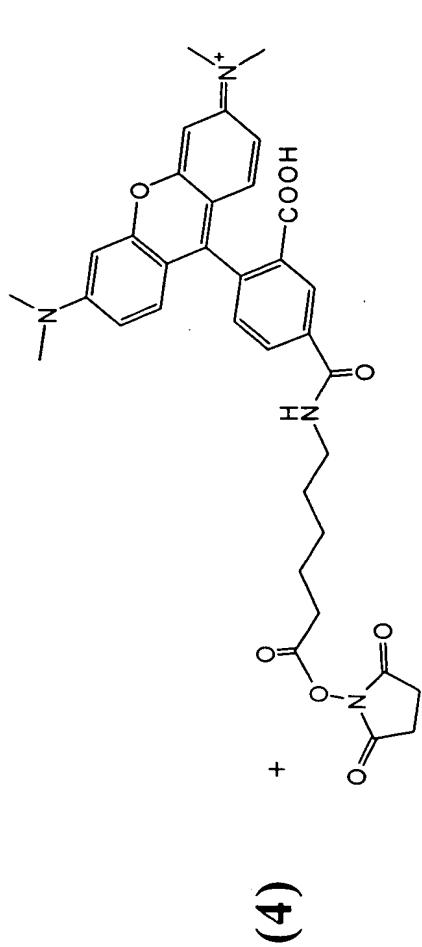


FIG. 9B

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50mM carbonate pH 8.5
30%DMF

(5)

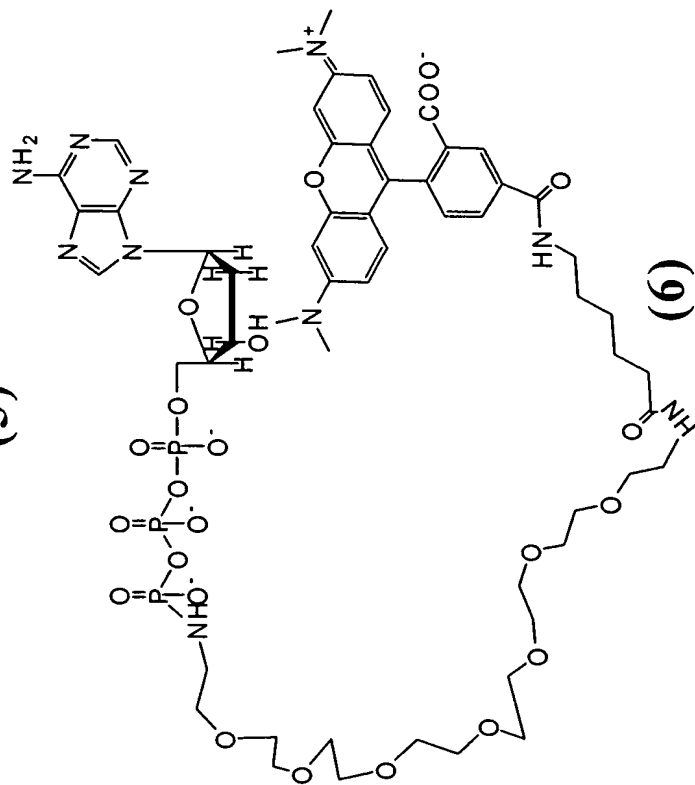


FIG. 9C

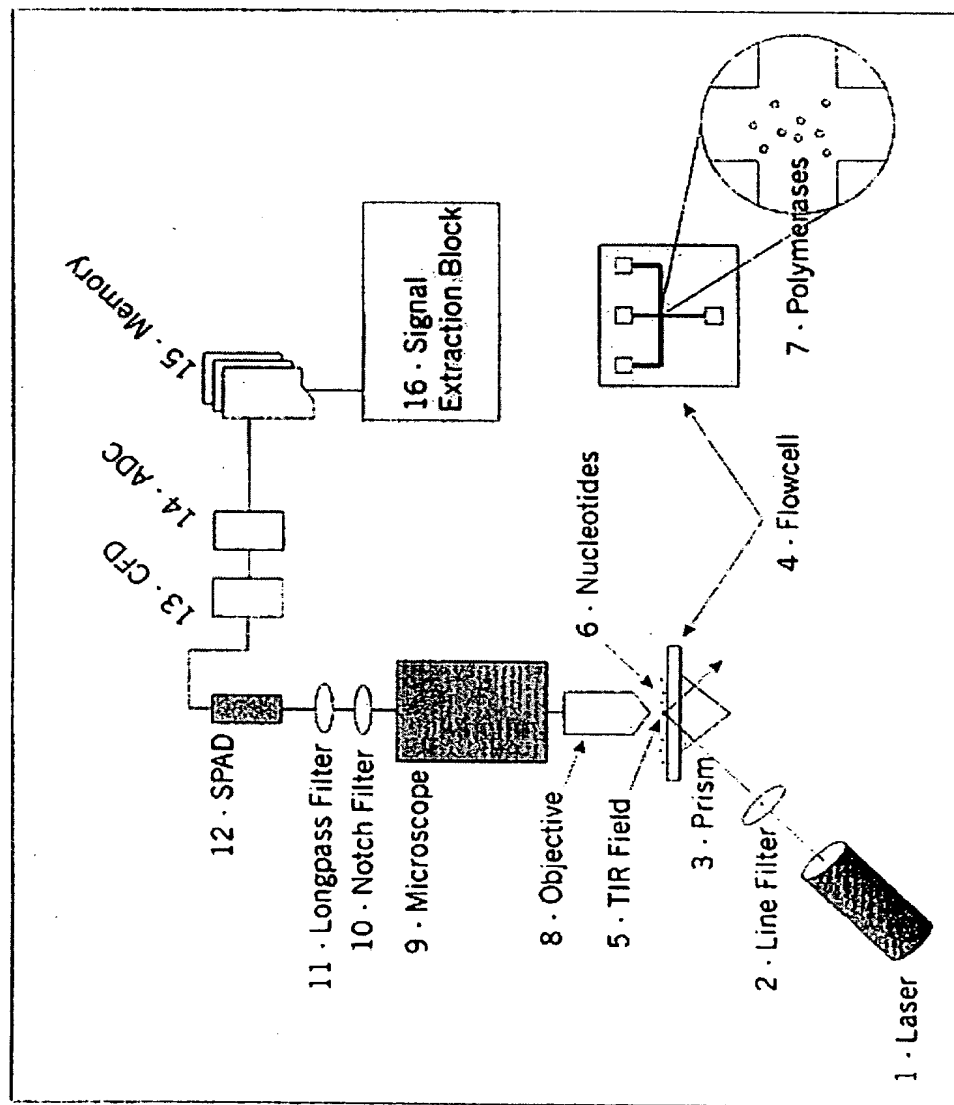


FIG. 10

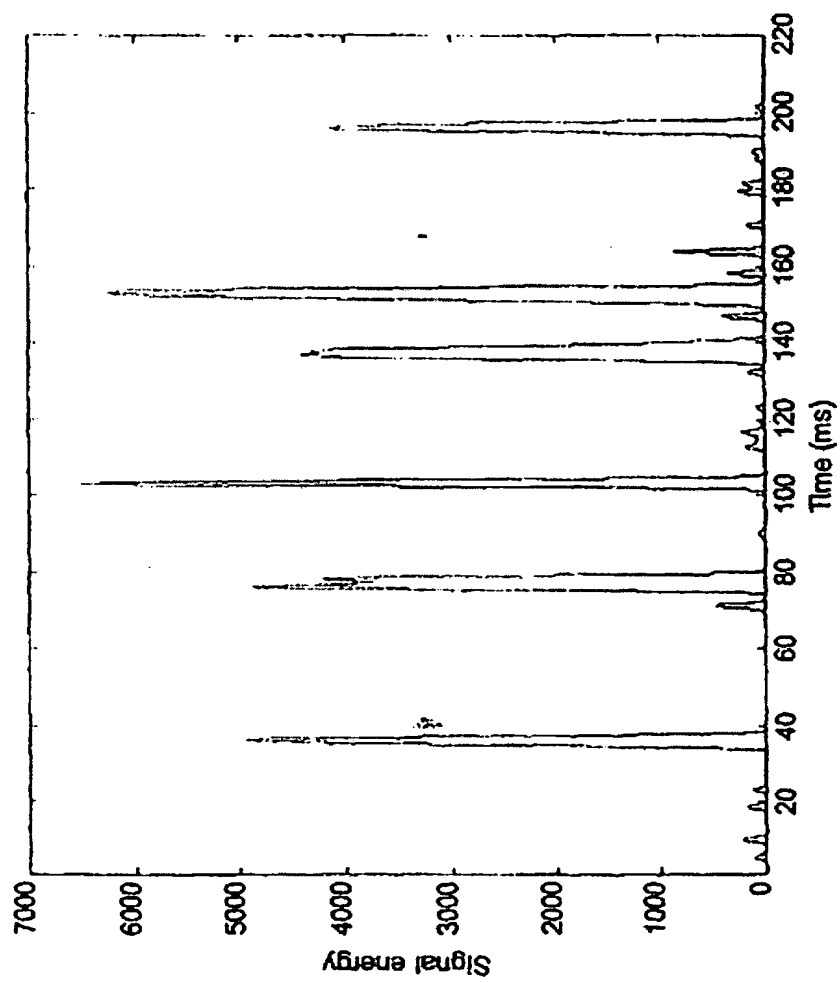


FIG. 11

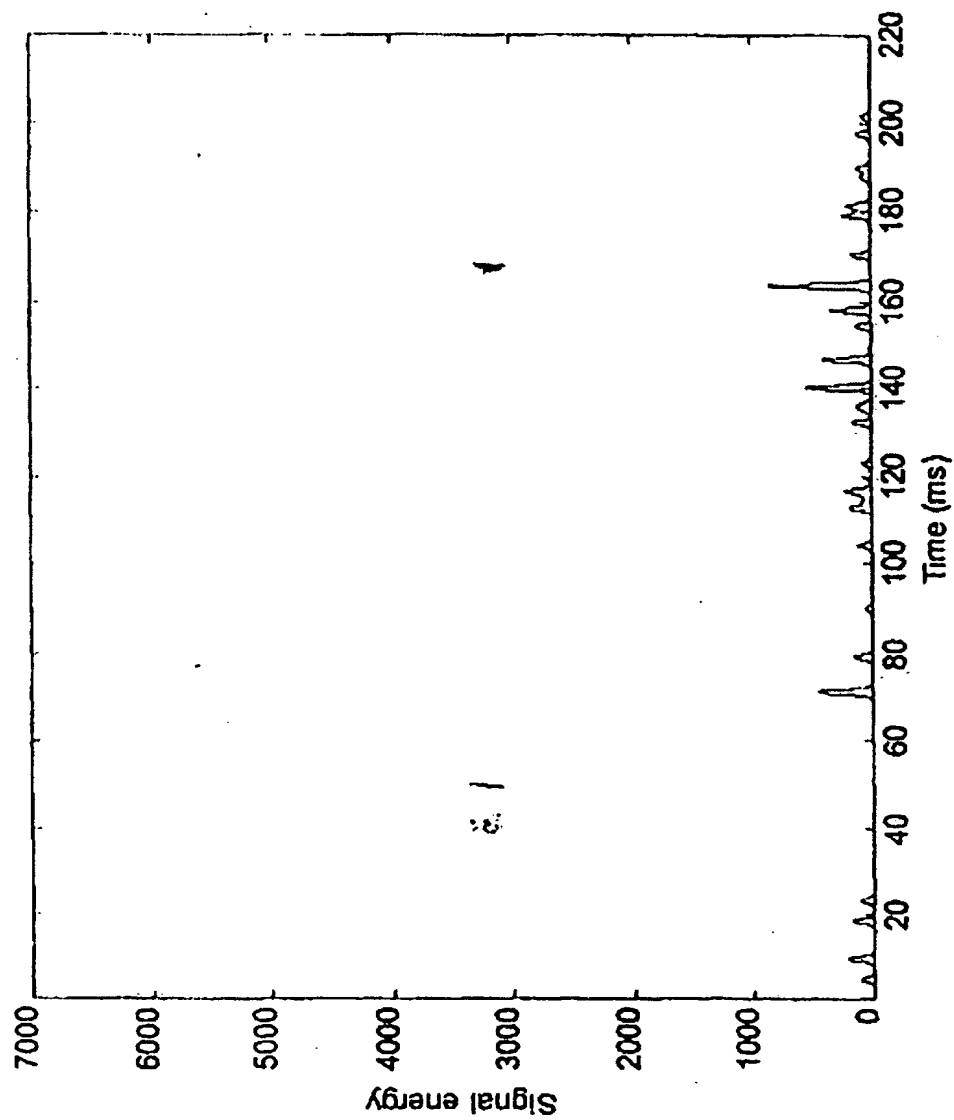


FIG. 12